

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2004/051920

**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC 7 H04L12/28

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
X	WO 01/37597 A (PANGO NETWORKS, INC) 25 May 2001 (2001-05-25) page 2, line 19 - page 3, line 14 page 11, line 1 - line 13 page 11, line 15 - line 27 page 13, line 4 - line 8 page 18, line 23 - page 19, line 7 page 20, line 24 - page 21, line 18 page 32, line 17 - page 33, line 3 figure 1	1,9-11, 17,18
X	US 2003/162556 A1 (LIBES MICHAEL A) 28 August 2003 (2003-08-28)	1-5, 9-11,17, 18
Y	paragraph '0003! - paragraph '0005! paragraph '0032! paragraph '0037! - paragraph '0038! figures 3,8,23,24	6-8
	----- -/-	

☒ Further documents are listed in the continuation of box C

☒ Patent family members are listed in annex.

## \* Special categories of cited documents

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance, the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

14 March 2005

Date of mailing of the international search report

21/03/2005

Name and mailing address of the ISA

European Patent Office, P B 5818 Patentlaan 2  
 NL - 2280 HV Rijswijk  
 Tel (+31-70) 340-2040, Tx 31 651 epo nl,  
 Fax (+31-70) 340-3016

Authorized officer

Grimaldo, M

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/IB2004/051920

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
Y	EP 1 330 075 A (SONY CORPORATION) 23 July 2003 (2003-07-23) paragraph '0007! - paragraph '0019! paragraph '0027! - paragraph '0028! -----	6-8
A	WO 99/17566 A (OLIVETTI TELEMEDIA S.P.A; ORACLE CORPORATION; BENNETT, FRAZER, DAVID,) 8 April 1999 (1999-04-08) abstract page 1, line 20 - page 2, line 16 -----	1-18
A	WO 96/20464 A (GREEN, DIANE, P) 4 July 1996 (1996-07-04) page 20, line 13 - line 21 -----	1,8-11, 17,18
A	US 2002/174269 A1 (SPURGAT JEFFREY JONATHAN ET AL) 21 November 2002 (2002-11-21) paragraph '0007!; figures 3-7 -----	1-11,17, 18

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB2004/051920

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0137597	A	25-05-2001	US 6347095 B1	12-02-2002
			AU 1478101 A	30-05-2001
			AU 4504701 A	18-06-2001
			WO 0137597 A1	25-05-2001
			WO 0143419 A2	14-06-2001
			US 2002114350 A1	22-08-2002
			US 2002086663 A1	04-07-2002
<hr/>				
US 2003162556	A1	28-08-2003	NONE	
<hr/>				
EP 1330075	A	23-07-2003	JP 2003087263 A	20-03-2003
			EP 1330075 A1	23-07-2003
			US 2004077313 A1	22-04-2004
			WO 03026213 A1	27-03-2003
<hr/>				
WO 9917566	A	08-04-1999	AU 9274298 A	23-04-1999
			EP 1021894 A2	26-07-2000
			WO 9917566 A2	08-04-1999
			US 6697649 B1	24-02-2004
			US 2005032556 A1	10-02-2005
<hr/>				
WO 9620464	A	04-07-1996	WO 9620464 A1	04-07-1996
			AU 1376895 A	19-07-1996
<hr/>				
US 2002174269	A1	21-11-2002	NONE	
<hr/>				